

Patent Abstracts of Japan

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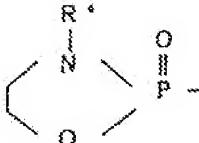
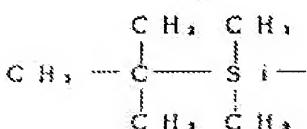
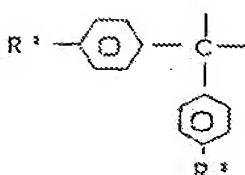
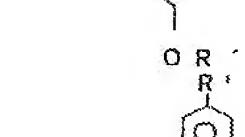
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TITLE : ACYCLIC NUCLEOTIDE CYCLIC
 PHOSPHORAAMIDATE AND RELATED
 COMPOUND THEREOF



ABSTRACT : NEW MATERIAL: An acyclic nucleotide expressed by formula I [R is formula II (R₁~R₃ are H or lower alkoxy), formula III or formula IV (R₄ is H or alkyl); R' is H, alkyl, aryl, aralkyl or R; B is purine ring, pyrimidine ring or azole ring].

EXAMPLE: 1-[3-Hydroxy-1-t-butyldimethylsilyl-2-propoxymethyl]uracil.

USE: An antivirus agent or antitumor agent.

PREPARATION: A compound expressed by formula I (R and R' are simultaneously H) is reacted with a compound expressed by the formula RX (R is a group of formula II or formula III; X is halogen) at room temperature or below to provide the aimed product. A basic solvent such as pyridine, etc., may be used as a solvent, but the above-mentioned reaction may be carried out using a nonpolar solvent in the presence of tertiary base.